



## DoD Global Influenza and Other Respiratory Viral Pathogens Week 40 (3 Oct – 9 Oct) Weekly Surveillance Report



### SUMMARY:

**Number of newly identified isolates in Week 40: 0 Influenza A; 0 Influenza B**

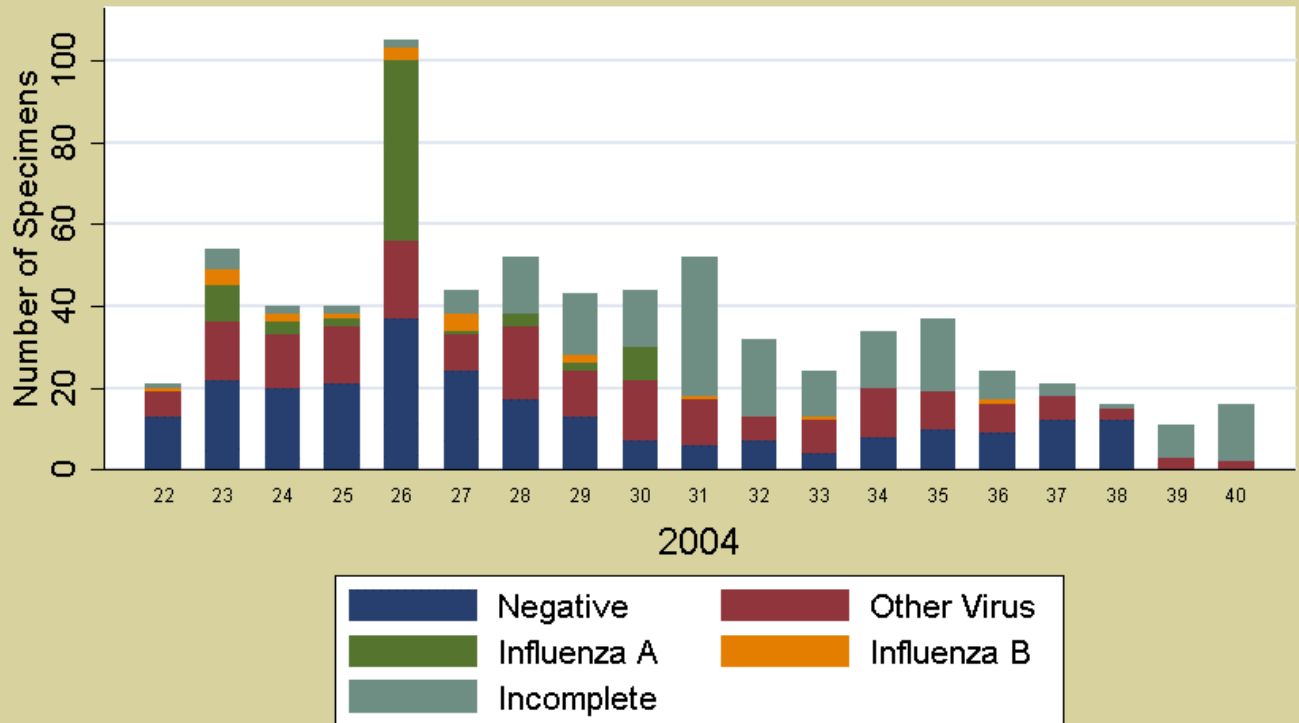
A shipment of 171 specimens has just arrived from Peru. The specimens were collected from June through September, accounting for the wide distribution of incomplete specimens in the below graph.

**New subtyping results:** From Tripler, 2 isolates have been newly identified as Hong Kong (for a total of 10 overall) and one as Sichuan-like (3 overall). From Peru, one isolate has been newly identified as Sichuan-like (for a total of 6 overall).

Since **1 June 2004**, the Epidemiological Surveillance Division (AFIOH/SDE) has received **711** specimens as part of the influenza surveillance program. Of those specimens, 521 (73.3%) have been processed to date. Of those specimens processed, 72 (14%) were positive for influenza A and 20 (4%) were positive for influenza B.

See accompanying table in “Additional Information” section for breakdown by demographics.

### Results of Specimens Received by Week and Year June to October 2004



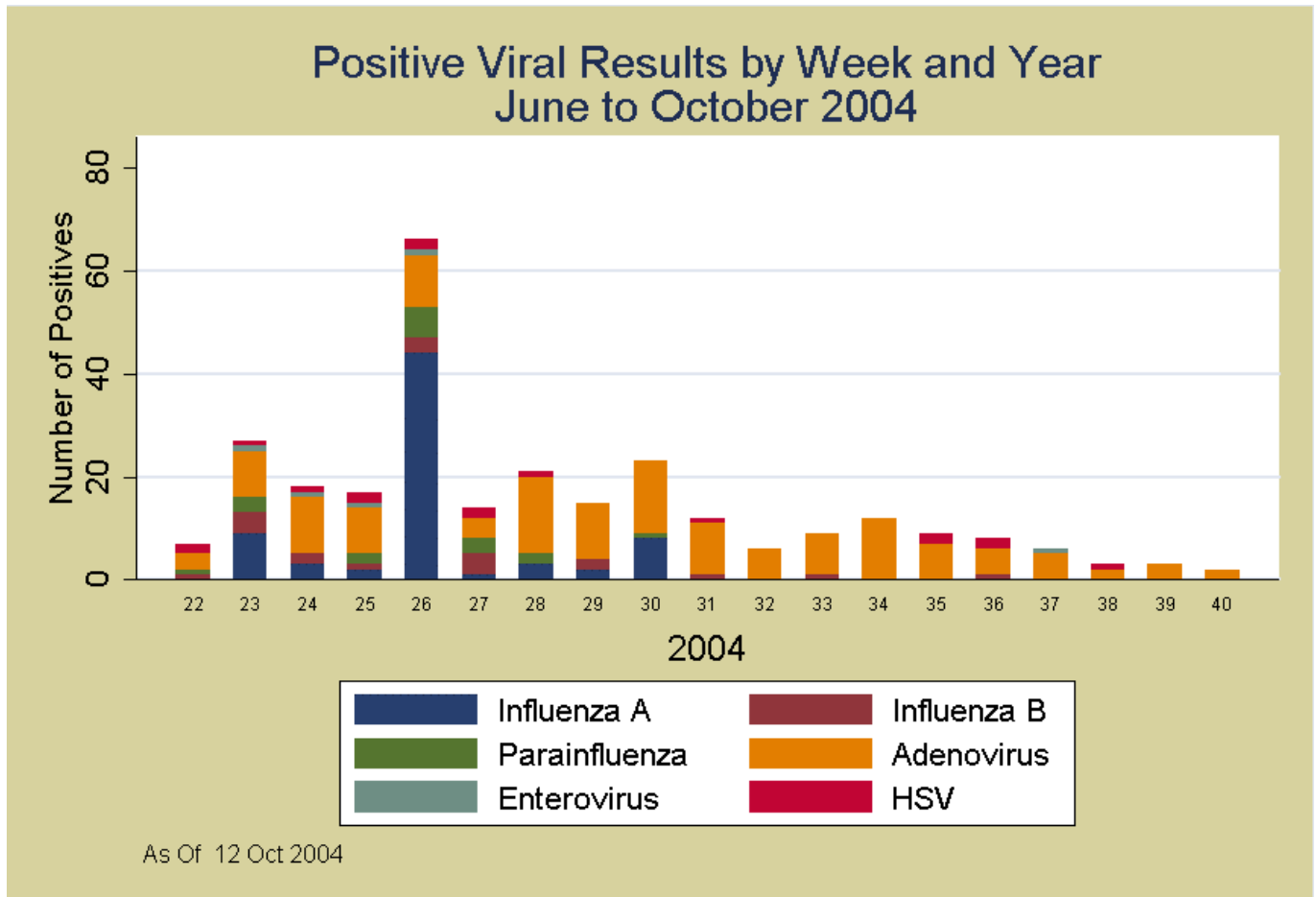
As Of 12 Oct 2004

### SUBTYPING:

Since **1 June 2004**, a total of 91 influenza isolates have been subtyped. For influenza A, 72 (100% of all influenza A) of the isolates have been subtyped; of these, all were H3N2. For influenza B, 9 isolates have been subtyped as B/Sichuan-like and 10 have been subtyped as B/Hong Kong. Subtyping was accomplished by either polymerase chain reaction (PCR) or hemagglutination-inhibition (HI).

### OVERALL DOD RESPIRATORY VIRAL SURVEILLANCE:

(For Graphs by CDC Region, please see the end of this document.)



Note: Graph does not include data from the NHRC, which conducts Febrile Respiratory Illness (FRI) surveillance among recruit populations. NHRC compiles this data into a separate report. For more information, visit the NHRC website at <http://www.nhrc.navy.mil/geis/>

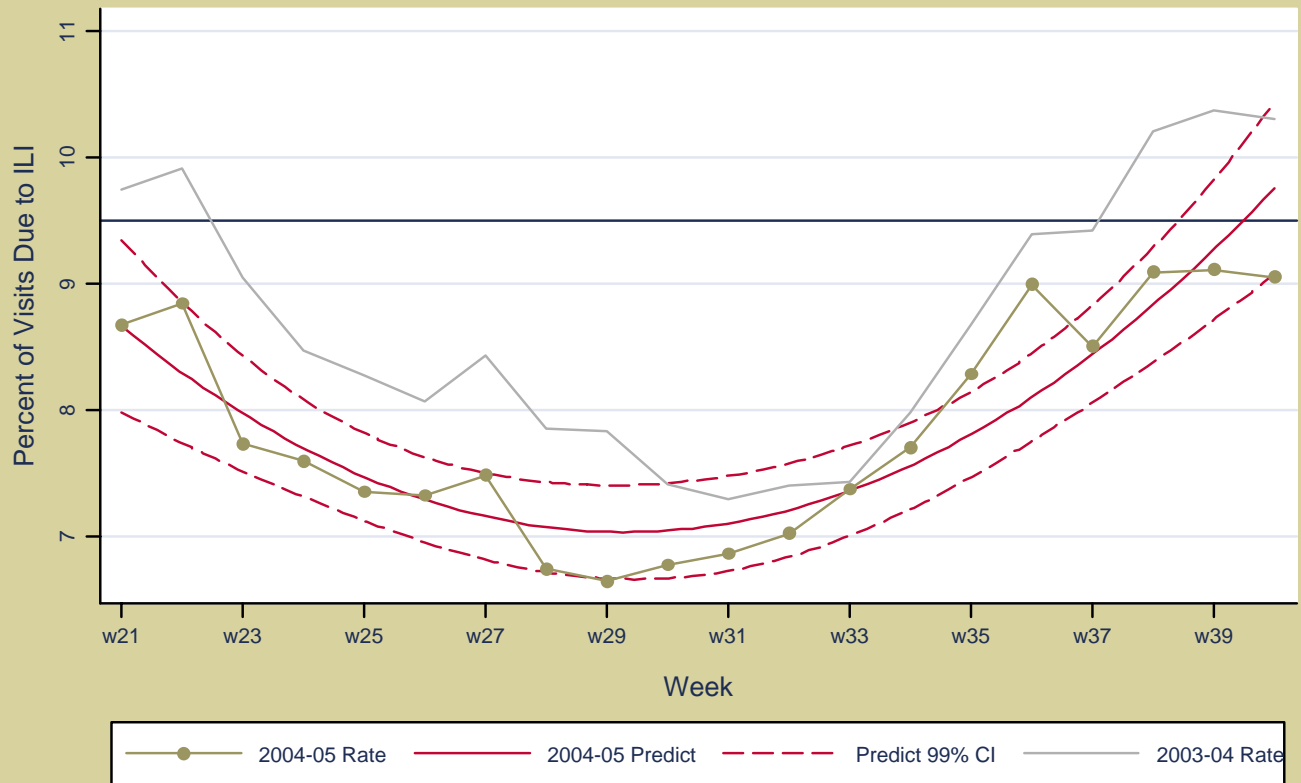
### INFLUENZA-LIKE ILLNESS:

This graph plots the percentage of total outpatient visits that had an ILI diagnostic code assigned for each week. A predicted trend line and 99% confidence intervals are included. Data are plotted from the previous influenza season for comparison. The trend line shows the direction and magnitude of weekly ILI visits. The 99% confidence intervals indicate the range around the trend line in which visit rates would be expected to fall most of the time. When the actual ILI rate for any week is outside the 99% confidence interval, the results can be considered to be significantly different from what would be expected.

**(GRAPH ON NEXT PAGE)**

## ILI Rate -- Global Military Health System

As of: 13 Oct 2004



Note: Horizontal Line is 2004 Interseasonal Threshold

Additional regional graphs can be found on the AFIOH Influenza Surveillance website:

<https://gumbo.brooks.af.mil/pestilence/Influenza/ILChartsform.cfm>

### NATIONAL INFLUENZA ACTIVITY: CDC

<http://www.cdc.gov/ncidod/diseases/flu/weeklychoice.htm>

The first CDC weekly report will be available 15 October 2004.

### INTERNATIONAL INFLUENZA ACTIVITY: WHO

<http://www.who.int/GlobalAtlas/DataQuery/home.asp>

Week in review: **Week 40**

*South America:* Currently no activity.

*Asia:* China and Australia reported sporadic activity.

*Europe:* Currently no activity.

*North America:* Currently no activity.

*Africa:* Currently no activity.

## ADDITIONAL INFORMATION:

- **Avian Influenza Update:** A 9-year old girl from northern Thailand died from confirmed avian influenza. The girl had confirmed contact with ill chickens. To date there has been no evidence of sustained human-human transmission of avian influenza. (from the WHO website, last updated 4 Oct).
- **Vaccine Shortage:** The Department of Defense is currently working on guidance that addresses the current influenza vaccine shortage due to Chiron's unexpected withdrawal from the market. Guidance will address changes to the vaccine priority schedule.  
Please direct any questions or comments to: [influenza@brooks.af.mil](mailto:influenza@brooks.af.mil)

## DEMOGRAPHIC SUMMARY:

Table 1. Demographics for Influenza Isolates

Demographics	New Identified		Cumulative since 1 Jun 04	
AGE (years)	A	B	A	B
0-5	0	0	20	4
6-19	0	0	22	11
20-64	0	0	22	3
65 +	0	0	0	0
Unknown	0	0	8	2
<b>OVERALL TOTALS</b>	<b>0</b>	<b>0</b>	<b>72</b>	<b>20</b>
STATUS	A	B	A	B
Military member/Sponsor	0	0	0	1
Child	0	0	0	12
Spouse	0	0	0	0
Other/Unknown	0	0	72	7
<b>OVERALL TOTALS</b>	<b>0</b>	<b>0</b>	<b>72</b>	<b>20</b>
# POSITIVES SUBMITTED BY SENTINEL SITES	A	B	A	B
Al Udeid AB, Qatar	0	0	0	0
Andersen AFB, Guam	0	0	0	0
Andrews AFB, MD	0	0	0	0
Aviano AB, Italy	0	0	0	0
Bremerton NS, WA	0	0	0	0
CGS Ketchikan, AK	0	0	0	0
Elmendorf AFB, AK	0	0	0	0
McGuire AFB, NJ	0	0	0	0
Ganci AB, Kyrg	0	0	0	0
Incirlik AB, Turkey	0	0	0	0
Kadena AB, Japan	0	0	0	0
Kunsan AB, Korea	0	0	0	0
RAF Lakenheath, UK	0	0	0	0

Landstuhl RMC, Germany	0	0	0	0
Maxwell AFB, AL	0	0	0	0
Misawa AB, Japan	0	0	0	0
NAB Little Creek, VA	0	0	0	0
NS Pearl Harbor/Hickam, HI	0	0	0	0
NH Yokosuka, Japan	0	0	0	0
NMC San Diego, CA	0	0	0	0
Osan AB, Korea	0	0	0	0
Ramstein AB, Germany	0	0	0	0
Scott AFB, IL	0	0	0	0
Sheppard AFB, TX	0	0	0	0
Travis AFB, CA	0	0	0	0
Tripler AMC, HI	0	0	0	13
US Air Force Academy, CO	0	0	0	0
Yokota AB, Japan	0	0	0	0
<b>TOTALS for SENTINEL SITES</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13</b>
<b># POSITIVES SUBMITTED BY OVERSEAS LABS</b>	<b>A</b>	<b>B</b>	<b>A</b>	<b>B</b>
AFRIMS, Thailand	0	0	10	0
AFRIMS, Nepal	0	0	42	0
NMRC-D, Peru	0	0	12	7
NMRC-D, Nicaragua	0	0	0	0
<b>TOTALS for OVERSEAS LABS</b>	<b>0</b>	<b>0</b>	<b>64</b>	<b>7</b>

**Table 2. Respiratory specimens received**

Location	Total # of Specimens Received	
	Current Week	Cumulative*
ALL SITES	188	705
NORTH AMERICA	15	302
PACOM	2	114
EUCOM	0	2
CENTCOM	0	0
SOUTH AMERICA	171	287

Comments: \*Received since 3 Oct 2004.

**Table 3. Summary of Results of Recently Processed Specimens**

Location	Results of Specimens Processed since 1 October 2004*				
	Negative	Influenza A	Influenza B	Adenovirus	Other
ALL SITES	13	0	0	7	2**
NORTH AMERICA	11	0	0	5	0
PACOM	2	0	0	0	0
EUCOM	0	0	0	0	0
CENTCOM	0	0	0	0	0
SOUTH AMERICA	0	0	0	2	2

Comments: \* specimens were **received** in month of September

\*\* 1 HSV, 1 Parainfluenza